True or False?

Fractional and Negative Indices

For each statement, circle the correct response.

1	$\sqrt{100} = 100^{1/2}$	True	False
2	$\sqrt[3]{27} = 3^{1/3}$	True	False
3	$25^{1/2} = 5$	True	False
4	$8^{1/3} = 2$	True	False
5	$2^{-1} = -2$	True	False
6	$(-64)^{1/3} = 4$	True	False
7	$5^{-2} = \frac{1}{5^2}$	True	False

8	$\frac{1}{\sqrt[3]{125}} = 125^{-1/3}$	True	False
9	$10^{-2} = \frac{1}{100}$	True	False
10	$\left(\frac{1}{9}\right)^{1/2} = 3$	True	False
11	$\sqrt[3]{\frac{1000}{27}} = \left(\frac{1000}{27}\right)^{1/3}$	True	False
12	$\frac{5}{6} = \left(\frac{36}{25}\right)^{-1/2}$	True	False
13	$\left(\frac{64}{27}\right)^{-1/3} = \frac{3}{8}$	True	False
14	$\left(\frac{125}{8}\right)^{1/3} = \left(\frac{4}{25}\right)^{-1/2}$	True	False